

The present invention provides a building material with a solar cell having a solar cell unit fixed to a substrate, and an electrical conductive lead for leading output from the solar cell unit to the outside, wherein a jacket material of the electrical conductive lead is composed of at least one selected from the group consisting of polyethylene resins, polyamide resins, vinylidene fluoride resins, chloroprene rubber, ethylene-propylene rubber, silicone resins. The present invention also provides a cladding assembly including the building material fixed to the backing material by a fixing member, and the electrical conductive lead arranged between the building material and the backing material to contact the backing material, for leading output from the solar cell unit to the outside, wherein the backing material contains any one of an asphalt resin, a vinyl chloride resin, a polystyrene resin, and a polyurethane resin. Therefore, the long-term reliability of the cladding assembly having the electrical conductive lead of the solar cell unit, which is laid directly on the backing material, is improved.